

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2007/000261

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.

H01L 33/00 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI AND JAPIO: (led? or (light (1d)diode?)) and ((texture+ or pattern+ or etch+ or rough+)(s)(surfac+ or outer or exterior or top or external+ or outside)) and ((n-type) or (n(1d)type+) or (dop+(d)n)) and ((increas+ or rais+ or improv+ or maximi+)(s)(light+ or effici+ or emission+ or transmiss+)) and ((reduce+ or lower+ or minimi+)(s)(reflection))

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Patent Abstracts of Japan, JP 2005-236048 A (SHIN ETSU HANDOTAI CO LTD) 2 September 2005	26,27,29,33
X	EP 1 061 590 A1 (SHIN-ETSU HANDOTAI CO LTD) 20 December 2000 See paras 0027 and 0031 and fig 1.	1,2,4,11,15,17, 25-27,29,33, 35,43,44,45
X	Patent Abstracts of Japan, JP 2006-253647 A (ROHM CO LTD) 21 September 2006	1,2,11,15, 17,25
X	Patent Abstracts of Japan, JP 2001-036129 A (DOWA MINING CO LTD) 9 February 2001	1,2,11,15,17, 22,25-27,29, 33,40,43-45

☒ Further documents are listed in the continuation of Box C
 ☒ See patent family annex

* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 03 October 2007	Date of mailing of the international search report 12 OCT 2007
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer S. T. PRING AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No : (02) 6283 2210

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent Abstract Accession No. 2003-056533/05, Class L03, TW 475276 A (IND TECHNOLOGY RES INST)	1,2,11,15,17, 18,24,25,27, 29,33
X	Derwent Abstract Accession No. 2003-694325/66, Class L03, KR 2002-079659 A (EPIVALLEY CO LTD) 19 October 2002	1,11,15, 17,24,25
P,X	US 2007/0029541 A1 (XIN et al) 8 February 2007 See para 0048 and para 0049 and figs 3,5.	1,4,8,9,11,15, 25,29,33
P,X	US 2006/0186418 A1 (EDMOND et al) 24 August 2006 See paras 0024,0037,0038,0040.	1,4-7,11,15, 17,22,24,25, 27,29,33
X	US 2005/0014303 A1 (TSAI et al) 20 January 2005 See paras 0030, 0033 and fig 2c.	26,29,30, 33,42-45
X	US 2006/0163586 A1 (DENBAARS et al) 27 July 2006 See paras 0038, 0041, and 0044.	1,2,4,11,15, 17,24-27,29, 33,35,42
X	US 2006/0124939 A1 (LEE et al) 15 Jun 2006 See fig 4 and para 0073	1,2,4- 9,11,17,24- 27,29,35,42
X	WO 2005/064666 A1 (THE REGENTS OF THE UNIVERSITY OF CALIFORNIA) 14 July 2005 See abstract and page 11 lines 1-11, claims 12,14, page 7 lines 9-15.	1,2,4-12,14- 18,24-27,29, 30,32-36,42

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2007/000261

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
JP	2005236048	CN	1658406				
EP	1061590	JP	2000196141	WO	0041249		
JP	2006253647	WO	2006085514				
JP	2001036129		NONE				
TW	475276		NONE				
KR	2002079659		NONE				
US	2007029541		NONE				
US	2006186418	CA	2564995	CN	1957481	EP	1763900
		KR	2007001332	US	2006049411	WO	2005117152
		WO	2007089460				
US	2005014303	US	6921924	US	2004256627		
US	2006163586	WO	2006080958				
US	2006124939	KR	2006006661	KR	2006006662	US	2006124941
		WO	2006065010	WO	2006065046		
WO	2005064666	AU	2003296426	CN	1886827	EP	1697983
		US	2007121690				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							